5.14.1 Filtering in the Frequency Domain	. 235
5.15 Efficiency of Frequency-Domain Filtering	. 239
5.16 Discrete-Time Filtering of Analog Signals	. 242
5.17 Digital Signal Processing Problems	
5.18 Solutions to Exercises in Chapter 5	. 256
Chapter 6 Information Communication	
6.1 Information Communication	
6.2 Types of Communication Channels	
6.3 Wireline Channels	
6.4 Wireless Channels	
6.5 Line-of-Sight Transmission	. 270
6.6 The Ionosphere and Communications	
6.7 Communication with Satellites	. 272
6.8 Noise and Interference	. 273
6.9 Channel Models	. 274
6.10 Baseband Communication	. 276
6.11 Modulated Communication	277
6.12 Signal-to-Noise Ratio of an Amplitude-Modulated Signal	. 278
6.13 Digital Communication	. 281
6.14 Binary Phase Shift Keying	. 282
6.15 Frequency Shift Keying	
6.16 Digital Communication Receivers	
6.17 Digital Communication in the Presence of Noise	
6.18 Digital Communication System Properties	
6.19 Digital Channels	
6.20 Entropy	
6.21 Source Coding Theorem	
6.22 Compression and the Huffman Code	
6.23 Subtlies of Coding	
6.24 Channel Coding	
6.25 Repetition Codes	
6.26 Block Channel Coding	
6.27 Error-Correcting Codes: Hamming Distance	
6.28 Error-Correcting Codes: Channel Decoding	
6.29 Error-Correcting Codes: Hamming Codes	
6.30 Noisy Channel Coding Theorem	
6.30.2 Converse to the Noisy Channel Coding Theorem	
6.31 Capacity of a Channel	
6.32 Comparison of Analog and Digital Communication	
6.33 Communication Networks	
6.34 Message Routing	
6.36 Ethernet	
6.37 Communication Protocols	
6.38 Information Communication Problems	
6.39 Solutions to Exercises in Chapter 6	
5.55 Solutions to Exercises in Chapter C.	J-72